

Peer Review Plan

Title of Review:	<u>The Baseline Analysis System (BAS) Model</u>	<input checked="" type="checkbox"/> Influential Scientific Information
Agency:	<u>USDA Animal and Plant Health Inspection Service</u>	<input type="checkbox"/> Highly Influential Scientific Assessment
Agency Contact:	<u>Frank Fillo, USDA-APHIS-Policy and Program Development, 4700 River Road, Unit 119, Riverdale, MD 20737 USA, 301-734-4321, fax 301-734-5899</u>	
Subject of Review:	<p>In the mid 90's, the Baseline Analysis System (BAS model) was developed for the purpose of systematically analyzing the spread and control of diseases of concern to Veterinary Services, as well as trade impacts of APHIS rulemaking. With respect to trade issues, the BAS model has been used by APHIS for the economic analysis of a number of rules, including most recently the BSE minimal-risk regions rule and the rule (not yet proposed) that would allow fresh beef imports from Brazil. It will be used in the economic analysis for the rule that would allow for the importation of additional commodities from BSE minimal-risk regions.</p> <p>This model is a net trade, partial equilibrium welfare model. Net trade is the absolute value of the difference between exports and imports. Partial equilibrium means that the model results are based on maintaining commodity price equilibrium in a limited portion of an overall economy. Welfare refers to benefits or losses to society, as measured by changes in consumer and producer surplus. Consumer surplus is the difference between what a consumer pays for a unit of a good and the maximum amount that the consumer would be willing to pay for that unit. Producer surplus is the difference between the amount a producer is paid for a unit of a good and the minimum amount that the producer would accept to supply that unit.</p> <p>APHIS can use the model to estimate price, quantity, and welfare effects due to a particular economic change, such as a resumption of cattle imports from Canada. In this example, the model can tell the agency how much prices, U.S. production, and producers' welfare may decline, and how much consumption and consumers' welfare may increase, given the additional supply of cattle.</p>	
Purpose of Review:	<u>The purpose of the review is to assess the validity of the model's theoretical structure and verify the mathematical equations and relationships that define that structure.</u>	
Type of Review:	<input type="checkbox"/> Panel Review <input checked="" type="checkbox"/> Individual Reviewers	
	<input type="checkbox"/> Alternative Process (Briefly Explain):	

Timing of Review (Est.): Start: 8/2005 End: 12/2006 Completed: _____

Number of Reviewers: ☒ 3 or fewer ☐ 4 to 10 ☐ More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economics

Reviewers selected by: ☐ Agency ☒ Designated Outside Organization

Organization's Name: USDA-Office of Risk Assessment and Cost Benefit Analysis

Opportunities for Public Comment? ☐ Yes ☒ No

If yes, briefly state how and when these opportunities will be provided:

How: _____

When: _____

Peer Reviewers Provided with Public Comments? ☐ Yes ☒ No

Public Nominations Requested for Review Panel? ☐ Yes ☒ No

Other: _____



Location of Document Being Reviewed The latest version of the Baseline Analysis System Model will be available when the review is completed by clicking [HERE](#).

To Comment on This Plan To comment on this plan or send an email message regarding it, click [HERE](#) or send an email to: APHIS_Peer_Review_Agenda@aphis.usda.gov
On the subject line of the message, please write: Baseline Analysis System Model

You may also send a letter in hard copy to the following address:

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